

## Tablas de Proporciones

```
# Lectura de de la base de datos:
demo <- read_excel("AMAR-DataBase-3-2021 .xlsx",
  sheet = "Demographics", n_max = 210)

demo %<>% clean_names()

# Lectura de una segunda base de datos para tomar solo 2 columnas:
baseline <- read_excel("AMAR-DataBase-3-2021 .xlsx",
  sheet = "Baseline data", range = "B1:C210")

# Conversión de la Variable treat:
treat <- baseline %>% select(paste0("TREAT",c(1,2))) %>% mutate(paciente = row_number()) %>%
  pivot_longer(col = paste0("TREAT",c(1,2)), names_to = "TREAT") %>%
  filter(value==1) %>%
  select(c(2)) %>% pull() %>% parse_number()
```

### Dimensiones correctas

```
dim(demo)
```

```
## [1] 209 599
```

Con la metadata del archivo: “**AMAR-CODES(2021)-1.pdf**” tenemos acceso a la identificación de cada columna como una respuesta de una pregunta por lo que convertiremos la base de datos a formato **tidy**.

Ensamble de la base de datos:

```
db <- cbind(treat,gender,ethg,ccbr, ca, langc, nop, hctg, vdoy, chg,
  insr, cadc, rcdc, thd, octb, bft, tbfs, tdbb,eatsf,
  phgt, phg,hri, hotb, spl, es, ciff,pmw) %>% as_tibble()
```

Convertir a factor las variables para reproducir resultados esperados

```
ALL <- db
save(ALL, file = "table1_ALL.RData")
rm(list = ls())
load("table1_ALL.RData")
attach(ALL)
```

```
ALL$treat %<>% factor(., labels = c("ART", "Amalgam"))
by_cyl1 <- summary_table(dplyr::group_by(ALL, treat), our_summary[1:7])
whole1 <- summary_table(ALL,our_summary[1:7])
```

```

both1 <- cbind(whole1, by_cyl1)

by_cyl2 <- summary_table(dplyr::group_by(ALL, treat), our_summary[8:14])
whole2 <- summary_table(ALL,our_summary[8:14])

both2 <- cbind(whole2, by_cyl2)

by_cyl3 <- summary_table(dplyr::group_by(ALL, treat), our_summary[15:21])
whole3 <- summary_table(ALL,our_summary[15:21])

both3 <- cbind(whole3, by_cyl3)

by_cyl4 <- summary_table(dplyr::group_by(ALL, treat), our_summary[22:26])
whole4 <- summary_table(ALL,our_summary[22:26])

both4 <- cbind(whole4, by_cyl4)

```

## Tabla 1:

```
both1
```

	ALL (N = 209)	ART (N = 98)	Amalgam (N = 111)
<b>Sex of child</b>			
male	107 (51.2%)	45 (45.9%)	62 (55.9%)
female	102 (48.8%)	53 (54.1%)	49 (44.1%)
<b>Ethnic group</b>			
Caucasian	46 (22.0%)	21 (21.4%)	25 (22.5%)
Asian	58 (27.8%)	20 (20.4%)	38 (34.2%)
African	4 (1.9%)	3 (3.1%)	1 (0.9%)
Latino	96 (45.9%)	52 (53.1%)	44 (39.6%)
Other	3 (1.4%)	1 (1.0%)	2 (1.8%)
Caucasian/Asian	2 (1.0%)	1 (1.0%)	1 (0.9%)
<b>Country of child's birth</b>			
USA	144 (68.9%)	60 (61.2%)	84 (75.7%)
China	25 (12.0%)	15 (15.3%)	10 (9.0%)
Korea	2 (0.96%)	0 (0.00%)	2 (1.80%)
Mongolia	2 (0.96%)	2 (2.04%)	0 (0.00%)
Mexico	18 (8.6%)	12 (12.2%)	6 (5.4%)
Guatemala	5 (2.4%)	2 (2.0%)	3 (2.7%)
El Salvador	6 (2.9%)	2 (2.0%)	4 (3.6%)
Honduras	5 (2.4%)	3 (3.1%)	2 (1.8%)
Nicaragua	2 (0.96%)	2 (2.04%)	0 (0.00%)
<b>Child's age (years)</b>			
5	56 (26.8%)	25 (25.5%)	31 (27.9%)
6	45 (21.5%)	17 (17.3%)	28 (25.2%)
7	40 (19.1%)	18 (18.4%)	22 (19.8%)
8	25 (12.0%)	10 (10.2%)	15 (13.5%)
9	23 (11.0%)	13 (13.3%)	10 (9.0%)
10	13 (6.2%)	9 (9.2%)	4 (3.6%)
11	7 (3.3%)	6 (6.1%)	1 (0.9%)
<b>Language the child speaks</b>			
English	64 (30.6%)	27 (27.6%)	37 (33.3%)
Spanish	35 (16.7%)	18 (18.4%)	17 (15.3%)
Cantonese	5 (2.4%)	4 (4.1%)	1 (0.9%)
Mongolian	1 (0.48%)	1 (1.02%)	0 (0.00%)
Other	2 (0.96%)	0 (0.00%)	2 (1.80%)
English/Spanish	50 (23.9%)	30 (30.6%)	20 (18.0%)
English/Cantonese	43 (20.6%)	12 (12.2%)	31 (27.9%)
Cantonese/Mandarin	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Tagalog	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Karen	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Mandarin	4 (1.91%)	1 (1.02%)	3 (2.70%)
English/Hmong	1 (0.48%)	1 (1.02%)	0 (0.00%)
<b>New or old patients</b>			
New	97 (46.41%)	48 (48.98%)	49 (44.14%)
Old	112 (53.59%)	50 (51.02%)	62 (55.86%)
<b>Health of child's teeth and gums</b>			
Excellent	9 (4.31%)	4 (4.08%)	5 (4.50%)
Very good	31 (14.83%)	16 (16.33%)	15 (13.51%)
Good	90 (43.06%)	42 (42.86%)	48 (43.24%)
Fair	45 (21.53%)	22 (22.45%)	23 (20.72%)
Poor	28 (13.40%)	13 (13.27%)	15 (13.51%)
Don't know	6 (2.87%)	1 (1.02%)	5 (4.50%)

both2

	ALL (N = 209)	ART (N = 98)	A
<b>Does your child visit the dentist at least once a year?</b>			
Yes	107 (51.20%)	49 (50.00%)	58
No	99 (47.37%)	47 (47.96%)	52
Don't know	3 (1.44%)	2 (2.04%)	1
<b>Did your child receive dental care for caries within the past year?</b>			
Yes	130 (62.20%)	55 (56.12%)	73
No	65 (31.10%)	36 (36.73%)	29
Don't know	4 (1.91%)	1 (1.02%)	3
Skipped	9 (4.31%)	5 (5.10%)	4
Missing	1 (0.48%)	1 (1.02%)	0
<b>Child's health in general</b>			
Excellent	50 (23.92%)	20 (20.41%)	30
Very good	87 (41.63%)	46 (46.94%)	43
Good	65 (31.10%)	27 (27.55%)	38
Fair	5 (2.39%)	4 (4.08%)	1
Poor	0 (0.00%)	0 (0.00%)	0
Don't know	2 (1.0%)	1 (1.0%)	1
<b>Any insurance that pays for all or part child's care</b>			
Yes	180 (86.12%)	84 (85.71%)	96
No	11 (5.26%)	4 (4.08%)	7
Don't know	18 (8.61%)	10 (10.20%)	8
<b>How old was your child when he/she first saw someone for dental care?</b>			
1 years old	20 (9.6%)	1 (1.0%)	19
2 years old	15 (7.2%)	7 (7.1%)	8
3 years old	46 (22.0%)	26 (26.5%)	20
4 years old	30 (14.4%)	14 (14.3%)	16
5 years old	31 (14.8%)	21 (21.4%)	10
6 years old	19 (9.1%)	9 (9.2%)	10
Older than 6	36 (17.2%)	16 (16.3%)	20
Don't know	12 (5.7%)	4 (4.1%)	8
<b>Transportation used from your home to your child's dentist</b>			
Drive	105 (50.2%)	48 (49.0%)	57
Am Drive	3 (1.4%)	1 (1.0%)	2
Bus, train other public transport	79 (37.8%)	37 (37.8%)	42
Taxi	3 (1.4%)	1 (1.0%)	2
Walk	15 (7.2%)	9 (9.2%)	6
None	3 (1.4%)	2 (2.0%)	1
Don't know	1 (0.5%)	0 (0.0%)	1
<b>How often are your child's teeth brushed</b>			
Never	0 (0.00%)	0 (0.00%)	0
Sometimes, but not every day	6 (2.87%)	2 (2.04%)	4
Once a day	40 (19.14%)	22 (22.45%)	18
Twice a day	157 (75.12%)	72 (73.47%)	88
More than twice a day	6 (2.87%)	2 (2.04%)	4

both3

	ALL (N = 209)	ART (N = 98)	Am
<b>Is fluoride paste used for your child during brushing?</b>			
Yes	131 (62.68%)	61 (62.24%)	70 (62.24%)
No	13 (6.22%)	5 (5.10%)	8 (7.14%)
Don't Know	65 (31.10%)	32 (32.65%)	33 (29.62%)
<b>Number of times child brushes teeth before sleep during last week</b>			
0 times (never)	9 (4.31%)	4 (4.08%)	5 (4.48%)
1-3 times	49 (23.44%)	20 (20.41%)	29 (25.93%)
4-6 times	27 (12.92%)	16 (16.33%)	11 (9.89%)
7 times (every day)	121 (57.89%)	56 (57.14%)	65 (58.64%)
Don't Know	3 (1.44%)	2 (2.04%)	1 (0.89%)
<b>Number of times during your child eats or drinks before going to bed</b>			
0 times (never)	126 (60.29%)	57 (58.16%)	69 (61.11%)
1-3 times	57 (27.27%)	26 (26.53%)	31 (27.78%)
4-6 times	19 (9.09%)	11 (11.22%)	8 (7.14%)
Don't Know	0 (0.00%)	0 (0.00%)	0 (0.00%)
<b>Eat sweet or sugary food</b>			
Rarely or never	37 (17.70%)	14 (14.29%)	23 (20.37%)
At least once a week, but not every day	45 (21.53%)	18 (18.37%)	27 (23.89%)
Once a day	59 (28.23%)	33 (33.67%)	26 (23.15%)
Twice a day	31 (14.83%)	16 (16.33%)	15 (13.33%)
Three times a day	27 (12.92%)	12 (12.24%)	15 (13.33%)
Four times a day	5 (2.39%)	4 (4.08%)	1 (0.89%)
Five or more times a day	0 (0.00%)	0 (0.00%)	0 (0.00%)
Don't know	5 (2.39%)	1 (1.02%)	4 (3.57%)
<b>Parent's health of gums and teeth</b>			
Excellent	5 (2.39%)	5 (5.10%)	0 (0.00%)
Very good	11 (5.26%)	2 (2.04%)	9 (7.93%)
Good	77 (36.84%)	37 (37.76%)	40 (35.70%)
Fair	75 (35.89%)	38 (38.78%)	37 (32.93%)
Poor	37 (17.70%)	16 (16.33%)	21 (18.75%)
Don't know	4 (1.91%)	0 (0.00%)	4 (3.57%)
<b>Parent's health in general</b>			
Excellent	13 (6.22%)	7 (7.14%)	6 (5.30%)
Very good	37 (17.70%)	15 (15.31%)	22 (19.63%)
Good	123 (58.85%)	57 (58.16%)	66 (58.64%)
Fair	32 (15.31%)	16 (16.33%)	16 (14.29%)
Poor	4 (1.91%)	3 (3.06%)	1 (0.89%)
Don't know	0 (0.00%)	0 (0.00%)	0 (0.00%)
<b>Occurrence of parent brushing their teeth</b>			
Never	1 (0.48%)	1 (1.02%)	0 (0.00%)
Sometimes, but not every day	3 (1.44%)	1 (1.02%)	2 (1.78%)
Once a day	34 (16.27%)	21 (21.43%)	13 (11.67%)
Twice a day	157 (75.12%)	70 (71.43%)	87 (77.56%)
More than twice a day	12 (5.74%)	4 (4.08%)	8 (7.14%)

both4

	ALL (N = 209)	ART (N = 98)	Amalgam (N = 111)
<b>Languages spoken of parent</b>			
English	50 (23.9%)	22 (22.4%)	28 (25.2%)
Spanish	81 (38.8%)	46 (46.9%)	35 (31.5%)
Cantonese	28 (13.4%)	11 (11.2%)	17 (15.3%)
Mandarin	1 (0.48%)	0 (0.00%)	1 (0.90%)
Other	3 (1.44%)	1 (1.02%)	2 (1.80%)
English/Spanish	13 (6.2%)	7 (7.1%)	6 (5.4%)
English/Mongolian	1 (0.5%)	1 (1.0%)	0 (0.0%)
English/Cantonese	15 (7.18%)	2 (2.04%)	13 (11.71%)
Cantonese/Mandarin	5 (2.39%)	2 (2.04%)	3 (2.70%)
English/Tagalog	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Mongolian	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Cantonese/Mandarin	2 (0.96%)	1 (1.02%)	1 (0.90%)
Sign/English	2 (0.96%)	0 (0.00%)	2 (1.80%)
English/Laotian	3 (1.44%)	2 (2.04%)	1 (0.90%)
English/Hmong	1 (0.48%)	1 (1.02%)	0 (0.00%)
English/Choctan	1 (0.48%)	0 (0.00%)	1 (0.90%)
English/French	1 (0.48%)	0 (0.00%)	1 (0.90%)
<b>Help in reading instructions</b>			
Never	50 (23.92%)	24 (24.49%)	26 (23.42%)
Rarely	23 (11.00%)	9 (9.18%)	14 (12.61%)
Sometimes	29 (13.88%)	16 (16.33%)	13 (11.71%)
Often	31 (14.83%)	12 (12.24%)	19 (17.12%)
Always	76 (36.36%)	37 (37.76%)	39 (35.14%)
<b>Employment status</b>			
Employed 32 hours or more per week	58 (27.75%)	27 (27.55%)	31 (27.93%)
Employed less than 32 hours per week	56 (26.79%)	30 (30.61%)	26 (23.42%)
Full time student	3 (1.44%)	2 (2.04%)	1 (0.90%)
Part time student	2 (0.96%)	0 (0.00%)	2 (1.80%)
Homemaker	67 (32.06%)	28 (28.57%)	39 (35.14%)
Disabled	7 (3.35%)	0 (0.00%)	7 (6.31%)
Retired	4 (1.91%)	4 (4.08%)	0 (0.00%)
Unemployed	12 (5.74%)	7 (7.14%)	5 (4.50%)
<b>Combined income of family (less than 20 K per year)</b>			
Yes	168 (80.38%)	73 (74.49%)	95 (85.59%)
No	31 (14.83%)	18 (18.37%)	13 (11.71%)
Don't Know	10 (4.78%)	7 (7.14%)	3 (2.70%)
<b>Missed work to take your child for dental care</b>			
1	14 (6.7%)	10 (10.2%)	4 (3.6%)
2	12 (5.7%)	4 (4.1%)	8 (7.2%)
3	10 (4.8%)	2 (2.0%)	8 (7.2%)
4	0 (0.0%)	0 (0.0%)	0 (0.0%)
Prefer not to answer	9 (4.3%)	4 (4.1%)	5 (4.5%)
Not applicable	42 (20.1%)	13 (13.3%)	29 (26.1%)
Don't know	121 (57.9%)	65 (66.3%)	56 (50.5%)